

Case Studies in Environmental Medicine:

Radiation Exposure From Iodine 131

Evaluation Questionnaire and Posttest, Course Number SS3059

Course Goal:

To increase the primary care provider's knowledge of hazardous substances in the environment and to aid the evaluation of potentially exposed patients.

Objectives:

- ◆ Describe the major sources of I-131 in the environment.
- ◆ Identify the major routes of human exposure.
- ◆ Describe the population group most at risk for health effects from past exposure to I-131 and why.
- ◆ Describe the four factors contributing to the internal dose of I-131 contamination.
- ◆ Assess a patient's environmental or occupational exposure to I-131.
- ◆ Describe the diagnostic evaluation of a thyroid nodule in an individual exposed to I-131.
- ◆ List two important actions to take if an environmental release of I-131 occurs.
- ◆ Discuss indications for prophylactic use of potassium iodine (KI) after an I-131 exposure.
- ◆ List three sources of information one could access if there is a release of I-131.

Tell Us About Yourself

Please read the questions carefully. Provide answers on the answer sheet (page 55). Your credit will be awarded based on the type of credit you select.

1. What type of continuing education credit do you wish to receive?

****Nurses should request CNE, not CEU. See note on page 53.**

- A. CME (for physicians)
- B. CME (for nonphysicians)
- C. CNE (continuing nursing education)
- D. CEU (continuing education units)
- E. [Not used]
- F. [Not used]
- G. [Not used]
- H. CHES (certified health education specialist)
- I. None of the above

2. **Are you a...**
 - A. Nurse
 - B. Pharmacist
 - C. Physician
 - D. Veterinarian
 - E. None of the above
3. **What is your highest level of education?**
 - A. High school or equivalent
 - B. Associate, 2-year degree
 - C. Bachelor's degree
 - D. Master's degree
 - E. Doctorate
 - F. Other
4. **Each year, approximately how many patients with iodine 131 exposure do you see?**
 - A. None
 - B. 1–5
 - C. 6–10
 - D. 11–15
 - E. More than 15
5. **Which of the following best describes your current occupation?**
 - A. Environmental health professional
 - B. Epidemiologist
 - C. Health educator
 - D. Laboratorian
 - E. Physician assistant
 - F. Industrial hygienist
 - G. Sanitarian
 - H. Toxicologist
 - I. Other patient care provider
 - J. Student
 - K. None of the above
6. **Which of the following best describes your current work setting?**
 - A. Academic (public and private)
 - B. Private health care organization
 - C. Public health organization
 - D. Environmental health organization
 - E. Nonprofit organization
 - F. Other work setting

7. Which of the following best describes the organization in which you work?

- A. Federal government
- B. State government
- C. County government
- D. Local government
- E. Nongovernmental agency
- F. Other type of organization

Tell Us About the Course

8. How did you obtain this course?

- A. Downloaded or printed from Web site
- B. Shared materials with colleagues
- C. By mail from ATSDR
- D. Not applicable

9. How did you first learn about this course?

- A. State publication (or other state-sponsored communication)
- B. MMWR
- C. ATSDR Internet site or homepage
- D. PHTN source (PHTN Web site, e-mail announcement)
- E. Colleague
- F. Other

10. What was the most important factor in your decision to obtain this course?

- A. Content
- B. Continuing education credit
- C. Supervisor recommended
- D. Previous participation in ATSDR training
- E. Previous participation in CDC and PHTN training
- F. Ability to take the course at my convenience
- G. Other

11. How much time did you spend completing the course, and the evaluation and posttest?

- A. 1 to 1.5 hours
- B. More than 1.5 hours but less than 2 hours
- C. 2 to 2.5 hours
- D. More than 2.5 hours but less than 3 hours
- E. 3 hours or more

12. Please rate your level of knowledge before completing this course.

- A. Great deal of knowledge about the content
- B. Fair amount of knowledge about the content
- C. Limited knowledge about the content
- D. No prior knowledge about the content
- E. No opinion

13. Please estimate your knowledge gain after completing this course.

- A. Gained a great deal of knowledge about the content
- B. Gained a fair amount of knowledge about the content
- C. Gained a limited amount of knowledge about the content
- D. Did not gain any knowledge about the content
- E. No opinion

Please use the scale below to rate your level of agreement with the following statements (questions 14–28) about this course.

- A. Agree
- B. No opinion
- C. Disagree
- D. Not applicable

14. The objectives are relevant to the goal.**15. The tables and figures are an effective learning resource.****16. The content in this course was appropriate for my training needs.****17. Participation in this course enhanced my professional effectiveness.****18. I will recommend this course to my colleagues.****19. Overall, this course enhanced my ability to understand the content.****20. I am confident that I can describe the major sources of I-131 in the environment.****21. I am confident I can identify the major routes of human exposure to I-131.****22. I am confident I can describe the population group most at risk for health effects from past exposure to I-131 and tell why.****23. I am confident I can describe the four factors contributing to the internal dose of I-131 contamination.****24. I am confident I can assess a patient's environmental or occupational exposure to I-131.****25. I am confident I can describe the diagnostic evaluation of a thyroid nodule in an individual exposed to I-131.**

- 26. I am confident I can list two important actions to take if an environmental release of I-131 occurs.**
- 27. I am confident that I can discuss indications for prophylactic use of potassium iodine (KI) after an I-131 exposure.**
- 28. I am confident I can list three sources of information one could access if there is a release of I-131.**